A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

Organization Information

Version 3.1

1. Date? _____

2. Organization? _____

2a. Organization type? (Check the one that applies best)

Investor Owned	FedAgcy	State/ Provnce	Muni	G&T Coop	Rural Coop	IPP	ISO/ Region	Other

2b. Organization functions? (Check all that apply)

CntrlArea	Transmsn	Generatn	Regional SecCoord	Distrbtn	Other

2c. Organization size? (Indicate the amount **in MW** of each of the following covered by this report)

System PeakLoad	NonNucl. GenCpcty	Nuclear GenCpcty

3. NERC Region? _____

4a. Person in charge of organization Y2K readiness program?

(Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.)

Name _____
Title _____
Phone _____
FAX # _____
E-mail _____

4b. If you wish to receive a confirmation of the entry of your reponse into the NERC composite database, check this box and enter the name and E-mail address to whom the confirmation should be sent. -----> ☐

Name _____
E-mail _____

5a. Contact person for nuclear generation facilities? *(Optional)*

Name _____
Title _____
Dept. _____
Phone # _____
FAX # _____
E-mail _____

5b. Contact person for non-nuclear generation facilities?

Name _____
Title _____
Dept. _____
Phone # _____
FAX # _____
E-mail _____

6. Contact person for energy management systems?

Name _____
Title _____
Dept. _____
Phone # _____
FAX # _____
E-mail _____

7. Contact person for telecommunications systems?

Name _____
Title _____
Dept. _____
Phone # _____

FAX #
E-mail

8. Contact person for substation control, system protection and distribution systems?

Name
Title
Dept.
Phone #
FAX #
E-mail

9. Contact person for distributions systems?

Name
Title
Dept.
Phone #
FAX #
E-mail

10. Contact person for business information systems?

Name
Title
Dept.
Phone #
FAX #
E-mail

11. Any comments? Enter below:

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

General Y2K Planning

Version 3.1

1. Date? _____

2. Do you have a written plan for Y2K readiness? *(Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.)*

- Yes ☐
- In process ☐
- Unwritten ☐
- No ☐

2a. If **No**, does your organization intend to prepare one? Yes ☐ No ☐
When ? _____

3a. Does your organization's Y2K Program report directly to a VP or higher? Yes ☐ No ☐

3b. Does your Board of Directors or governing body receive regular (at least quarterly) reports on the status of your Y2K Program? Yes ☐ No ☐

4. Please identify the present overall status of Y2K Program for your electric systems:

	Est. Completion Date	% Complete
Inventory	_____	☐
Assessment	_____	☐
Remediation/Testing	_____	☐

5. Does your Y2K analysis take into account a potential breakdown in the supply chain and/or transportation of fuel, water, chemicals, material supplies, etc? Yes ☐ No ☐

6a. What is the status of your Y2K operating contingency preparedness?

	Haven't started	Started looking	Have plan	Have tested & drilled pla
Power system Y2K studies*	☐	☐	☐	☐
Y2K blackstart/restoration plans	☐	☐	☐	☐
Safe shutdown of power plants	☐	☐	☐	☐
Y2K special operating procedures & plans	☐	☐	☐	☐
Y2k personnel staffing and training	☐	☐	☐	☐

*Scenario analysis, capacity shortages/overages

6b. Results of 6a above available to others? Yes ☐ No ☐

7. When do you expect your organization to be Y2K ready? **Date** _____
(for mission critical facilities that are needed to meet operating requirements into the Year 2000)

8. List the greatest obstacles your organization faces in achieving Y2K readiness by December 31, 1999?

_____

_____

_____

9. Please detail any Y2K Readiness concerns that you feel are beyond your organization's control and for which you lack external support.

_____

_____

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

d
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A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

Nuclear Generation Facilities

Version 3.1

Note: This section of the report is optional when responding for the NERC Y2K Readiness Assessment. Any responses received by NERC will be forwarded to NEI, which is facilitating assessment of nuclear plants.

1. Date _____

2. Are the following (mission-critical* facilities) Y2K ready?

	% Complete			
	N/A)	I)	A)	R)
Reactor control systems				
Safe shutdown systems				
Fuel handling and storage systems				
Turbine/generator systems				
Balance of plant - water and steam systems				
Environmental systems (including emission controls/monitoring)				
Electrical systems, power supplies, switchyard under plant control				
Data acquisition and communications systems				
Voice communications systems				
Unit and station protection systems/relays				

N/A) Not applicable

I) Inventory

A) Assessment

R) Remediation and testing

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* systems in nuclear generation facilities do you expect to be Y2K ready** by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

**Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.*

*** Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.*

4. Have you completed an integrated test of the facilities listed in 2 above? N/A ☐ Yes ☐ No ☐

5. Have you completed contingency planning for components/systems in 2 above? Yes ☐ No ☐

6. How will your organization measure Y2K readiness? for components/systems in 2 above? (Check all that apply.)

- ☐ Component test
- ☐ Simulations
- ☐ Outside testing
- ☐ Vendor verification
- ☐ Other _____

7. How will communications facilities leased by your organization be determined to be Y2K ready?
Check this box if you are providing a single answer for your organization under telecommunications. ☐

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K nuclear generating facility problem, please first describe the problem and then the solution to that problem.

9. Have you encountered any Y2K nuclear generation facility problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

Non-Nuclear Generation Facilities

Version 3.1

1. Date _____

2. Are the following (mission-critical* facilities) Y2K ready?

	% Complete			
	N/A)	I)	A)	R)
Fuel supply and handling systems				
Boiler control and feed systems				
Turbine/generator systems				
Balance of plant water and steam systems				
Water treatment systems				
Environmental systems (including ash, emissions, waste)				
Electrical systems, power supplies, switchyard under plant control				
Data acquisition and communications systems				
Voice communications systems				
Unit and station protection systems/relays				

N/A) Not applicabl

I) Inventory

A) Assessment

R) Remediation and testing

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* systems in generation facilities do you expect to be Y2K ready** by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

**Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.*

*** Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.*

4. Have you completed necessary integrated system (multi-component) testing of the facilities listed in 2 above? N/A ☐ Yes ☐ No ☐

5. Have you completed contingency planning for components/systems in 2 above? Yes ☐ No ☐

6. How will your organization measure Y2K readiness for components/systems in 2 above? (Check all that apply.)

- ☐ Component test
- ☐ Simulations
- ☐ Outside testing
- ☐ Vendor verification
- ☐ Other _____

7. How will communications facilities leased by your organization be determined to be Y2K ready?
Check this box if you are providing a single answer for your organization under telecommunications. ☐

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K non-nuclear generating facility problem, please first describe the problem and then the solution to that problem.

9. Have you encountered any Y2K non-nuclear generation facility problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

le

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

Energy Management Systems, SCADA

Version 3.1

1. Date _____

2. Are the following (mission-critical* facilities) Y2K ready?

	% Complete				
	N/A	I)	A)	R)	
Control center computer systems					N/A) Not applicable
Data acquisition subsystems					I) Inventory
UPS systems					
Voice and data communications systems					A) Assessment
Remote terminal units (RTUs)					
Metering equipment systems (tie lines)					R) Remediation and testing
Backup control center					

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* EMS/SCADA facilities do you expect to be Y2K Ready** by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

**Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.*

*** Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.*

4. Have you completed necessary integrated system (multi-component) testing of the facilities listed in 2 above? N/A ☐ Yes ☐ No ☐

5. Have you completed contingency planning for components/systems in 2 above? Yes ☐ No ☐

6. How will your organization establish Y2K readiness? for components/systems in 2 above? (Check all that apply.)

- ☐ Component test
- ☐ Simulations
- ☐ Outside testing
- ☐ Vendor verification
- ☐ Other _____

7. How will communications facilities leased by your organization be determined to be Y2K ready?
Check this box if you are providing a single answer for your organization under telecommunications. ☐

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K EMS/SCADA problem, please first describe the problem and the solution to that problem.

9. Have you encountered any Y2K EMS/SCADA problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

Telecommunications Systems

Version 3.1

1. Date _____

2. Are the following mission-critical* facilities Y2K ready?

	% Complete N/A)	I)	A)	R)
Telephone switches and key systems?				
Microwave systems?				
Mobile radio systems?				
SCADA radio?				
Data WAN/LANs including networking equipment?				
Modems?				
Network equipment?				
Fiber systems?				
Leased lines?				
Power line carrier systems?				
Satellite systems?				
Telecommunications management systems?				

N/A) Not applicabl

I) Inventory

A) Assessment

R) Remediation and testing

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* telecommunications facilities do you expect to be Y2K ready** by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

**Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.*

*** Y2K Ready means a system or application has been determined to be suitable for continued use into the year 2000.*

4. Have you completed necessary integrated system (multi-component) testing of the facilities listed in 2 above? N/A ☐ Yes ☐ No ☐

5. Have you completed contingency planning for components/systems in 2 above? Yes ☐ No ☐

6. How will your organization establish Y2K readiness? for components/systems in 2 above? (Check all that apply.)

- Component test ☐
- Simulations ☐
- Outside testing ☐
- Vendor verification ☐
- Other ☐ _____

7. How will communications facilities leased by your organization be determined to be Y2K ready? Check this box if you are providing a single answer for your organization under telecommunications. ☐

_____

_____

_____

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K telecommunications facility problem, please first describe the problem and then the solution to that problem.

_____

_____

_____

9. Have you encountered any Y2K telecommunications problem(s) that are particularly difficult to resolve and you would like to collaborate with others in resolving? If so, please describe:

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

le

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

Substation Controls, System Protection and Distribution

Version 3.1

1. Date _____

2. Are the following mission-critical* facilities Y2K ready?

	% Completion			
Transmission and/or distribution facilities internal to substations	N/A)	I)	A)	R)
Microprocessor relays?				
Special protection schemes (gen. reject'n., line trip., etc.)				
Load shedding controls and underfrequency relays				
Circuit breaker and switching device controls				
LTC and regulator controls - inside the substation				
Recloser controls - inside the substation				
Digital fault recorders / digital transient recorders?				
Terminal equipment for telecommunications facilities?				
Substation service controls (incl. battery chargers)				
Disturbance analyzers?				
Distribution facilities outside the substation				
Transfer/recloser controls - outside the substation				
Sectionalizer controls - outside the substation?				
Capacitor controls - outside the substation?				
Voltage regulators - outside the substation?				
Data gathering equipment - outside the substation?				

N/A) Not applicabl

I) Inventory

A) Assessment

R) Remediation and testing

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* substation, system protection and distribution controls do you expect to be Y2K ready** by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

**Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.*

*** Y2K Ready means a system or application has been determined to be suitable for continued use into the year 2000.*

4. Have you completed an integrated test of the facilities listed in 2 above? N/A ☐ Yes ☐ No ☐

5. Have you completed contingency planning for components/systems in 2 above? Yes ☐ No ☐

6. How will your organization establish Y2K readiness? for components/systems in 2 above? (Check all that apply.)

- Component test ☐
- Simulations ☐
- Outside testing ☐
- Vendor verification ☐
- Other ☐

7. How will communications facilities leased by your organization be determined to be Y2K ready? Check this box if you are providing a single answer for your organization under telecommunications. ☐

8. If your organization has found a unique / creative solution(a good idea we want to share) to a Y2K substation controls, system protection or distribution problem, please first describe the problem and then the solution to that problem.

9. Have you encountered any Y2K substation controls, system protection or distribution problem(s) that are particularly difficult to resolve and you would like to collaborate with other in resolving. If so, please describe:

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

le

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT

IT Business Information Systems

Version 3.1

This Section of the Assessment report will be analyzed by the Edison Electric Institute in support of the industry report to the Department of Energy.

Organization Information

1. Date? _____

2. Are the following IT Business Systems Y2K Rready*?

	% Complete			
	N/A)	I)	A)	R)
Customer Information Systems				
Call Center Systems				
Financial and Cost Management Systems (e.g., General Ledger,				
Plant Maintenance Systems Budget, Cost Reporting)				
Distributed Work Management				
Geographical Information Systems/Distribution Assets				
Accounts payable/purchasing/inventory				
Electronic Data Interchange Systems				
Transmission Work Management				
Fixed Asset Systems				
Security Systems (e.g., System and Facility Access)				
Facility Operating Systems (e.g., HVAC. Lighting Controls)				

N/A) Not applicable

I) Inventory

A) Assessment

R) Remediation and Testing

(If you don't have to do remediation and testing, report item 100% complete.)

3. What percentage of the systems listed in question 2 do you expect to be Y2K Ready** by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

4. What percentage of the supporting infrastructure (e.g., Data Center, CPUs, Systems Software LAN/WAN) for the systems listed in question 2 do you expect to be Y2K Ready* by the end of:?

3Q98	4Q98	1Q99

2Q99	3Q99	4Q99

5. Have you completed necessary integrated system (multi-component) testing of the facilities listed in 2 above? N/A ☐ Yes ☐ No ☐

6. How will your organization determine Y2K Readiness* for the systems listed in question 2? (Check all that apply.)

- ☐ Component test
- ☐ Simulation
- ☐ Outside testing
- ☐ Vendor verification
- ☐ Other _____

7. How will the Y2K Readiness* of business systems outsourced by your organization be determined?

_____

_____

_____

_____

_____

_____

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K business system problem, please first describe the problem and then the solution to that problem.

_____

_____

_____

_____

_____

9. Have you encountered any Y2K business system problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

* Y2K Ready means a system or application has been determined to be suitable for continued use into the year 2000.

10. Any comments? Enter below:

Device/Component/system name:
Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESS

Database Stuff - for NERC use only

Version 3.1

Organization Information

1. Date?			01/00/00		
2a. Org. type	IOU		0		
	FedAgcy		0		
	State		0		
	Muni		0		
	G&T		0		
	RuralCoop		0		
	IPP		0		
ISO	/Region		0		
	Other		0		
2b. Org. functions	ContrArea		0		
	Transmsn		0		
	Generatn		0		
Regional	SecCoord		0		
	Distrbtn		0		
	Other		0		
2c. Size System	PeakLoad			0	0
NonNucl.	Capacity			0	0
Nuclear	Capacity			0	0
3. NERC Region?			0		
General Y2K Planning					1
2.have a written plan?	Yes		0		
	In process		0		
	Unwritten		0		
	No		0		
2a. If No, intend to?		Yes	0		
		No	0		
		When	01/00/00		
3a. Report to a VP?		Yes	0		
		No	0		
3b. Qtrly rprt to bd?		Yes	0		
		No	0		
4. Overall status	Inventory	Est Date	01/00/00		
	Inventory	% Cmplt		0	0
	Assess	Est Date	01/00/00		
	Assess	% Cmplt		0	0
	Rmd/Tst	Est Date	01/00/00		
	Rmd/Tst	% Cmplt		0	0
5. Potential breakdown		Yes	0		
		No	0		
6a. Conting. prep?	Pwr syst	No start	0		
		Started	0		
		Have plan	0		

		Tested	0	
	Blackstart	No start	0	
		Started	0	
		Have plan	0	
		Tested	0	
	Safe shut	No start	0	
		Started	0	
		Have plan	0	
		Tested	0	
	Special op	No start	0	
		Started	0	
		Have plan	0	
		Tested	0	
	Staff&train	No start	0	
		Started	0	
		Have plan	0	
		Tested	0	
6b. Results to others?		Yes	0	
		No	0	
7. When ready?		Date	01/00/00	

Nuclear Generation Facilities

2.Ready?	Reactor controls	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Safe shutdown system	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Fuel handling and stor	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Turbine/generator sys	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Balance of plant - wat	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Environmental system	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Electrical systems, po	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Data acquisition and c	N/A	0	
		I	0	0

		A	0	0
		R	0	0
	Voice communications	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Unit and station protec	N/A	0	
		I	0	0
		A	0	0
		R	0	0
3. % Ready by		3Q98		0
		4Q98		
		1Q99		
		2Q99		
		3Q99		
		4Q99		
4. Integrated test?		N/A	0	
		Yes	0	
		No	0	
5. Contingency planning?		Yes	0	
		No	0	
6. How Measure	Component test		0	
	Simulations		0	
	Outside testing		0	
	Vendor verification		0	
	Other		0	
7. Single answer for telecom?			0	
Non-nuclear Generation Facilities				
2. Are the f	Fuel supply and handl	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Boiler control and feec	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Turbine/generator syst	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Balance of plant water	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Water treatment syste	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Environmental system	N/A	0	
		I	0	0
		A	0	0

		R	0	0
	Electrical systems, po	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Data acquisition and c	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Voice communications	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Unit and station protec	N/A	0	
		I	0	0
		A	0	0
		R	0	0
3. What percentage of your missi		3Q98		0
		4Q98		
		1Q99		
		2Q99		
		3Q99		
		4Q99		
4. Integrated test?		N/A	0	
		Yes	0	
		No	0	
5. Contingency planning?		Yes	0	
		No	0	
6. How Measure	Component test		0	
	Simulations		0	
	Outside testing		0	
	Vendor verification		0	
	Other		0	
7. Check this box if you are providing a singl			0	

Energy Management Systems, SCADA

2. Are the following (mission-critical* facilities) Y2K ready?

	Control center comput	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Data acquisition subsy	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	UPS systems	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Voice and data comm	N/A	0	
		I	0	0
		A	0	0

		R	0	0
	Remote terminal units	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Metering equipment sy	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Backup control center	N/A	0	
		I	0	0
		A	0	0
		R	0	0
3. What percentage of your missi		3Q98		0
		4Q98		
		1Q99		
		2Q99		
		3Q99		
		4Q99		
4. Have you completed necessary		N/A	0	
		Yes	0	
		No	0	
5. Have you completed contingen		Yes	0	
		No	0	
6. How will your organ	Component test		0	
	Simulations		0	
	Outside testing		0	
	Vendor verification		0	
	Other		0	
7. Check this box if you are providing a single			0	
Telecommunications Systems				
2. Are the following mi	Telephone	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Microwave	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Mobile radi	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	SCADA rad	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Data WAN	N/A	0	
		I	0	0
		A	0	0
		R	0	0

Modems?	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Network ec	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Fiber syste	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Leased line	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Power line	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Satellite sy	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Telecommu	N/A	0	
	I	0	0
	A	0	0
	R	0	0
3. What percentage of your missi	3Q98		0
	4Q98		
	1Q99		
	2Q99		
	3Q99		
	4Q99		
4. Have you completed necessary	N/A	0	
	Yes	0	
	No	0	
5. Have you completed contingen	Yes	0	
	No	0	
6. How will your organization esta	Componen	0	
	Simulation	0	
	Outside tes	0	
	Vendor ver	0	
	Other	0	
7. Check this box if you are providing a single		0	

Substation Controls, System Protection and Distribution

2. Are the following mi	Microproce	N/A	0
		I	0	0
		A	0	0
		R	0	0
	Special pro	N/A	0	

	I	0	0
	A	0	0
	R	0	0
Load shed	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Circuit bre	N/A	0	
	I	0	0
	A	0	0
	R	0	0
LTC and re	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Recloser c	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Digital faul	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Terminal e	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Substation	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Disturbanc	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Distribution facilities outside the substation			
Transfer/re	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Sectionaliz	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Capacitor c	N/A	0	
	I	0	0
	A	0	0
	R	0	0
Voltage reg	N/A	0	
	I	0	0
	A	0	0

		R	0	0
	Data gathe	N/A	0	
		I	0	0
		A	0	0
		R	0	0
3. What percentage of your missi		3Q98		0
		4Q98		
		1Q99		
		2Q99		
		3Q99		
		4Q99		
4. Have you completed an integra		N/A	0	
		Yes	0	
		No	0	
5. Have you completed contingen		Yes	0	
		No	0	
6. How will your organization esta		Componen	0	
		Simulation	0	
		Outside tes	0	
		Vendor ver	0	
		Other	0	
7. Check this box if you are providing a singl			0	
IT Business Information Systems				
2. Are the I	Customer Information	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Call Center Systems	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Financial and Cost Ma	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Plant Maintenance Sy	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Distributed Work Mana	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Geographical Informat	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Accounts payable/purc	N/A	0	
		I	0	0
		A	0	0
		R	0	0

	Electronic Data Interch	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Transmission Work M	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Fixed Asset Systems	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Security Systems (e.g	N/A	0	
		I	0	0
		A	0	0
		R	0	0
	Facility Operating Sys	N/A	0	
		I	0	0
		A	0	0
		R	0	0
3. What percentage of the system		3Q98		0
		4Q98		
		1Q99		
		2Q99		
		3Q99		
		4Q99		
4. What percentage of the suppor		3Q98		0
		4Q98		
		1Q99		
		2Q99		
		3Q99		
		4Q99		
5. Have you completed necessary		N/A	0	
		Yes	0	
		No	0	
6. How will your organization dete		Componen	0	
		Simulation	0	
		Outside tes	0	
		Vendor ver	0	
		Other	0	

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